

Fiducial Data Summary for 50Q Rafts

50Q-32

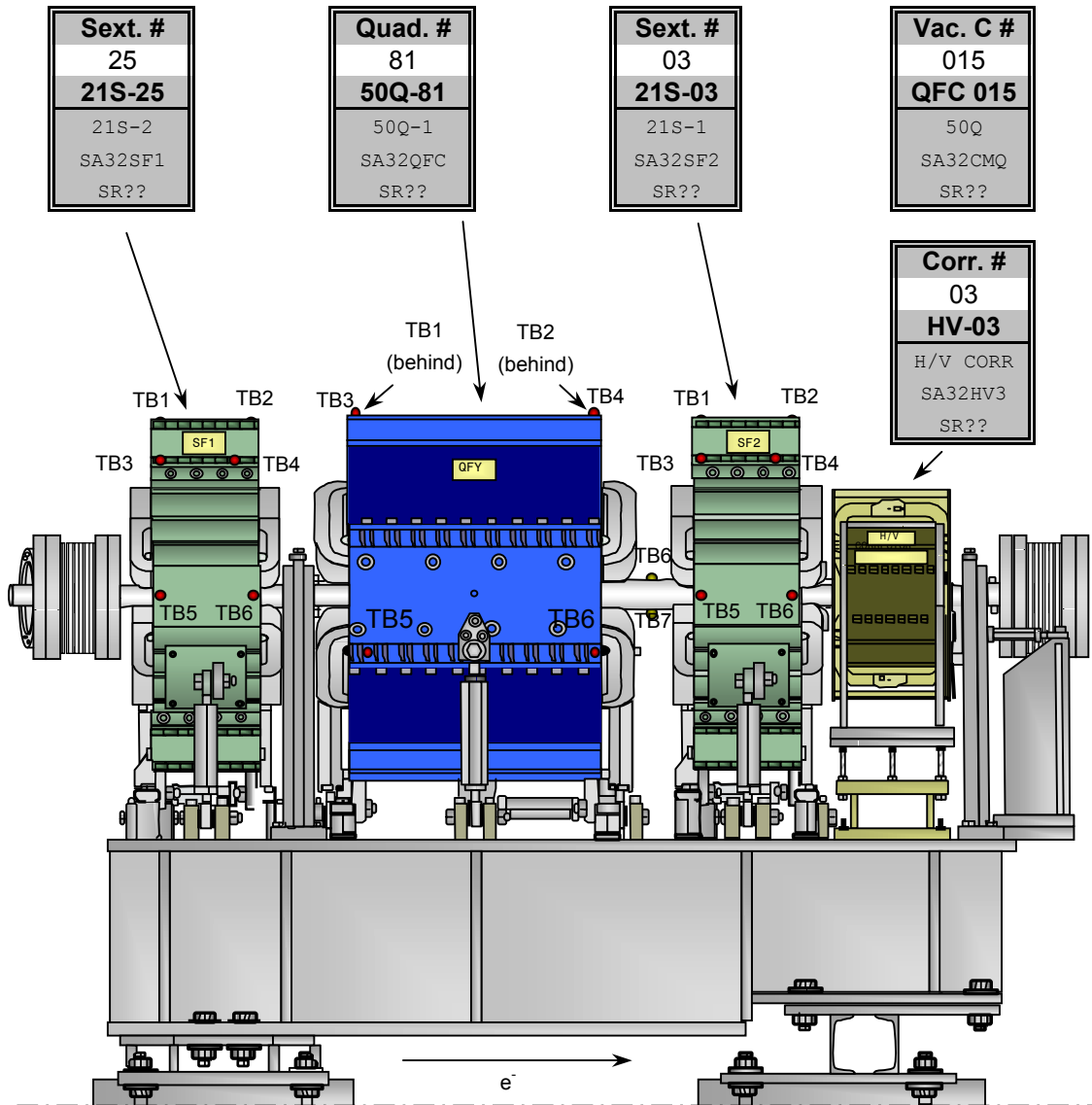
Raft Description:

Date November 20, 2001

Raft # 32 50Q-32	Type 1 50Q T-1	Bld. 750 Name SA32	S3 Ring Name SR??
-------------------------------	-----------------------------	------------------------------	-----------------------------

Notes:

The above date represents the latest fiducial date of all components listed below.
SPEAR3 Ring number not yet known.



Sextupole: Fiducial Values for Upstream (21S-2) Sextupole

Fiducial	Z	X	Y
TB1	-3.514	4.220	15.507
TB2	3.511	4.199	15.506
TB3	-3.617	-10.503	12.537
TB4	2.290	-10.501	12.539
TB5	-3.734	-15.062	0.015
TB6	3.767	-15.062	0.047

inches inches inches

SEXTUPOLE
21S-25

SA32SF1
SR??

10/29/01

Description:
Fiducials based on values posted on web-page. (Check for updates.)

Quadrupole: Fiducial Values for Quadrupole (50Q-1)

Fiducial	Z	X	Y
TB1	-9.449	11.237	16.203
TB2	9.449	11.239	16.205
TB3	-9.440	-11.239	16.207
TB4	9.435	-11.224	16.203
TB5	-8.367	-15.202	-4.745
TB6	9.312	-15.205	-4.818

inches inches inches

QUADRUPOLE
50Q-81

SA32QFC
SR??

10/31/01

Description:
Fiducials based on values posted on web-page. (Check for updates.)

Sextupole: Fiducial Values for Downstream (21S-1) Sextupole

Fiducial	Z	X	Y
TB1	-3.718	4.245	15.509
TB2	3.705	4.254	15.505
TB3	-3.638	-10.498	12.539
TB4	2.285	-10.492	12.544
TB5	-3.733	-15.064	0.041
TB6	3.721	-15.062	0.037

inches inches inches

SEXTUPOLE
21S-03

SA32SF2
SR??

11/20/01

Description:
Fiducials based on values posted on web-page. (Check for updates.)

H/V Corrector: Fiducial Values for Corrector

Fiducial	Z	X	Y
1	-0.003	-0.323	-10.196
2	-0.002	-10.046	-10.205
A	0.000	-20.003	0.000
B	0.000	-20.003	0.000
C	0.000	-20.003	0.000
D	0.000	-20.003	0.000
E	0.000	0.000	17.935
F	0.000	0.000	17.935

inches inches inches

H/V CORRECTOR
HV-03

SA32HV3
SR??

No Date

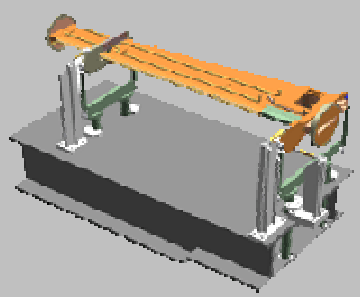
Description:
Fiducials based on known nominal values.

Vacuum Chamber: Fiducial Values for QFC (50Q) Vacuum Chamber

Fiducial	Z	X	Y
TB1	-13.800	-3.192	4.408
TB2	-13.792	7.292	4.360
TB3	37.426	-5.214	4.427
TB4	37.541	13.294	2.955
TB5	33.437	7.567	2.059
TB6	13.388	2.636	2.372
TB7	13.435	2.635	-2.366

inches inches inches

VACUUM CHAMBER
QFC 015



SA32CMQ
SR??

10/23/01

Description:
Fiducials based on values posted on web-page. (Check for updates.)

Building 750 Deck: Positions of Component Origins

750 Name	Z	X	Y	Yaw
SA32SF1	-0.535	-3.500	0.000	0.0000
SA32QFC	0.000	-3.500	0.000	0.0000
SA32CMQ	0.000	-3.500	0.000	0.0000
SA32SF2	0.535	-3.500	0.000	0.0000

meters meters meters degrees

Date of Deck File: April 16, 2002

Location of Raft: WEST

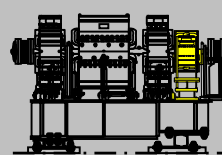
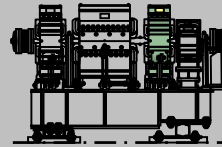
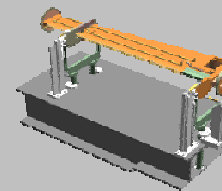
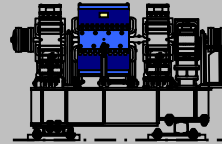
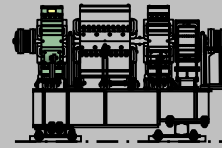
50Q-32

Description:
Deck coordinates representing origin of the specific component's coordinate system.

Building 750 As-Built:

750 Name	delta Z	delta X	delta Y (delta H)
SA32SF1	-0.009	0.003	-0.001
	-0.010	0.006	-0.002
	-0.001	0.002	-0.003
	-0.005	0.008	-0.002
	0.005	0.001	-0.001
	0.000	0.005	-0.001
SA32QFC	-0.027	0.000	-0.004
	-0.029	0.006	-0.001
	-0.023	0.004	0.000
	-0.026	0.011	0.000
	-0.014	0.006	-0.001
	-0.019	0.010	0.000
SA32CMQ	-0.001	-0.003	-0.005
	0.005	-0.003	-0.002
	-0.017	0.006	0.000
	-0.008	0.005	-0.002
	0.002	-0.009	-0.014
	0.002	-0.024	-0.027
	N/A	N/A	N/A
SA32SF2	0.001	0.000	-0.003
	-0.001	0.003	-0.003
	-0.002	-0.004	-0.003
	-0.003	-0.003	-0.005
	-0.006	0.006	0.000
	-0.005	0.003	-0.004
SA32HV3		-0.006	
		-0.012	
		-0.005	
		-0.018	
			0.003
			-0.007
	inches	inches	inches

TB1
TB2
TB3
TB4
TB5
TB6
TB1
TB2
TB3
TB4
TB5
TB6
TB1
TB2
TB3
TB4
TB5
TB6
TB1
TB2
TB3
TB4
TB5
TB6
A
B
C
D
E
F



Latest File Date: February 22, 2002

50Q-32

Description:

Values representing the difference between the design and actual fiducial measurements.